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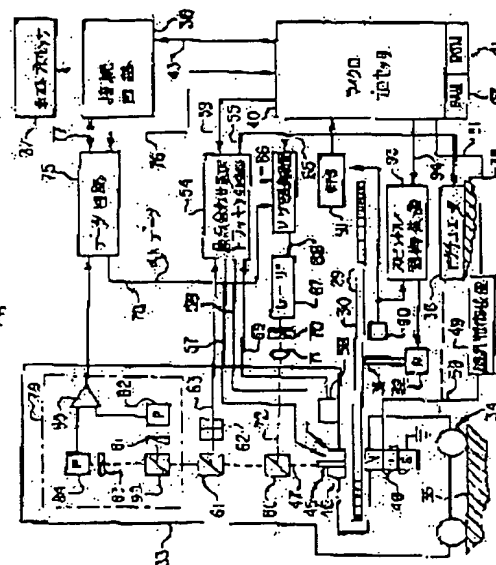
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## (54) METHOD FOR CALIBRATING WRITING SIGNAL POWER LEVEL AND MOBILE MEDIUM MEMORY DEVICE

(57)Abstract:

PURPOSE: To obtain an optimum reading signal by supplying plural writing signal power levels to a marking source, correlating the measurement value of the amplitude of a reading signal to the specified signal power level and deciding the calibrated writing signal power level.

CONSTITUTION: A track in a magneto-optical medium 30 is selected for a calibration test, under the control of a microprocessor 40. The sectors 00-23 of the selected track are erased. The entire writing signal power levels of the laser 67 are expressed as an integer value and converted from digital into the analog. A sector number is set to  $n=00$ , and also the writing signal power level is selected. Test patterns are respectively marked by the successively increased writing signal power level from an offset writing signal power level  $W_0$ , the test pattern is read and the reading signal is correlated with the writing signal power level. The adjustment portion of the writing signal power level from an offset is calculated through the use of min. square parameter, and the writing signal power level is determined.



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